Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/12/2019 09:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	122423	-3	2.28	122512	2.27
Blue	F	SSC	125000	123322	-2	1.50	124157	1.53
Blue	E	FITC	16433	15945	-3	2.65	347	19.90
Blue	D	PE	27595	27123	-2	1.88	592	13.96
Blue	B	PerCP-Cy5-5	43183	42235	-3	3.52	1132	19.52
Blue	A	PE-Cy7	31943	31198	-3	5.93	598	39.21
Red	C	APC	42819	42283	-2	2.40	1494	12.10
Red	A	APC-Cy7	31261	30215	-4	2.24	799	11.75
Violet	B	V450	6527	6262	-5	4.74	351	13.17
Violet	A	V500	24533	23376	-5	4.48	546	10.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17535	12.66	607	7	N/A	N/A	Pass
Blue	F	SSC	56122	1.11	550	2	N/A	N/A	Pass
Blue	E	FITC	63	63.54	537	-2	0.0202	116	Pass
Blue	D	PE	123	48.82	534	0	0.1996	334	Pass
Blue	B	PerCP-Cy5-5	210	47.65	644	2	0.0099	58	Pass
Blue	A	PE-Cy7	112	96.86	691	2	0.0118	17	Pass
Red	C	APC	356	24.88	580	-3	0.0242	110	Pass
Red	A	APC-Cy7	176	28.05	559	-4	0.0057	839	Pass
Violet	B	V450	53	61.54	449	-6	0.0590	2567	Pass
Violet	A	V500	81	32.95	460	-7	0.0250	775	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.35	-31.92	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.80	13.60 - 20.40	N/A	N/A	29.77	30.03	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9524

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments